

HH-66 Toluene Free Thinner

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations
Issue date: 5/06/2026 Version: 1.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : HH-66 Toluene Free Thinner

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Thinner
Restrictions on use : No additional information available

1.4. Details of manufacturer or importer

Manufacturer

RH Adhesives
308 Old High Street
Acton, MA 01720
USA
T 1-978-897-8000
sales@rhadhesives.com

Importer

Austwide Products Pty Ltd.
Unit 3B, 62 O'Riordan Street
Alexandria NSW 2015
Australia

1.5. Emergency phone number

Emergency number : 1-800-535-5053 INFOTRAC; 1-352-323-3500 INFOTRAC International
24 hours Emergency Contact Australia Phone: 13 11 26

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 2	H225
Serious eye damage/eye irritation, Category 2A	H319
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Flame



Exclamation mark

Signal word (GHS AU) : Danger
Contains : Methyl ethyl ketone (30 - 60 %); Acetone (15 - 40 %); Ethyl acetate (5 - 10 %)
Hazard statements (GHS AU) : H225 - Highly flammable liquid and vapour
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
Precautionary statements (GHS AU) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing vapours, mist, spray.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .

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P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice, medical attention.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	Conc.	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Methyl ethyl ketone	78-93-3	30 - 60	Flam. Liq. 2, H225 STOT SE 3, H336 Eye Irrit. 2A, H319
Acetone	67-64-1	15 - 40	Flam. Liq. 2, H225 STOT SE 3, H336 Eye Irrit. 2A, H319
Ethyl acetate	141-78-6	5 - 10	Flam. Liq. 2, H225 STOT SE 3, H336 Eye Irrit. 2A, H319
Other substances (not contributing to the classification of this product)	-	Up to 100%	-

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell. Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Get medical attention if symptoms occur.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause drowsiness or dizziness. Headache.
Symptoms/effects after skin contact	: Absorbed through the skin. Repeated exposure may cause skin dryness or cracking. Redness. Itching.
Symptoms/effects after eye contact	: Causes serious eye irritation. Redness. Lacrimation. Itching. Blurred vision.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Abdominal pain.

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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| Suitable extinguishing media | : Dry powder. Alcohol-resistant foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Specific hazards arising from the chemical

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| Fire hazard | : Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Heating will cause a rise in pressure with a risk of bursting. In case of fire and/or explosion do not breathe fumes. |
| General measures | : Avoid contact with skin and eyes. No flames, no sparks. Eliminate all sources of ignition. Use special care to avoid static electric charges. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. |

5.3. Special protective equipment and precautions for fire-fighters

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| Firefighting instructions | : Evacuate the danger area. Move containers from fire area if it can be done without personal risk. Exercise caution when fighting any chemical fire. Fight fire with normal precautions from a reasonable distance. Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment. Eliminate all ignition sources if safe to do so. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Wear fire/flamm resistant/retardant clothing. |
| Hazchem Code | : * 3YE |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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| General measures | : Avoid contact with skin and eyes. No flames, no sparks. Eliminate all sources of ignition. Use special care to avoid static electric charges. |
| 6.1.1. For non-emergency personnel | |
| Protective equipment | : Wear recommended personal protective equipment. |
| Emergency procedures | : Evacuate unnecessary personnel. Ventilate spillage area. Avoid breathing vapours, mist. Do not get in eyes, on skin, or on clothing. Do not touch or walk on the spilled product. No action shall be taken without appropriate training or involving any personal risk. |
| 6.1.2. For emergency responders | |
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel. Avoid breathing vapours, mist. Use non-sparking tools. |

6.2. Environmental precautions

Avoid release to the environment. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

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| For containment | : Stop leak without risks if possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Remove ignition sources. |
| Methods for cleaning up | : Caution : this product can cause the floor to be slippery. Prevent entry to sewers and public waters. Move containers from spill area. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Clean contaminated surfaces with an excess of water. Use non-sparking tools. |

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide adequate ventilation to minimize dust and/or vapour concentrations. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing vapours, mist. Eliminate all ignition sources if safe to do so. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Take precautionary measures against static discharge. Use explosion-proof equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Store in a dry place. Keep cool. Keep away from food, drink and animal feedingstuffs. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in accordance with local, regional, national or international regulation.
- Incompatible products : Strong acids. Strong bases. Oxidizing agent.
- Incompatible materials : Direct sunlight. Sources of ignition.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

Methyl ethyl ketone (78-93-3)	
Australia - Occupational Exposure Limits	
Local name	Methyl ethyl ketone (MEK; 2-Butanone)
OES TWA	445 mg/m ³
	150 ppm
OES STEL	890 mg/m ³
	300 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2025)
Acetone (67-64-1)	
Australia - Occupational Exposure Limits	
Local name	Acetone (2-Propanone)
OES TWA	1185 mg/m ³
	500 ppm
OES STEL	2375 mg/m ³
	1000 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2025)
Ethyl acetate (141-78-6)	
Australia - Occupational Exposure Limits	
Local name	Ethyl acetate (Acetic acid, ethyl ester)
OES TWA	720 mg/m ³
	200 ppm
OES STEL	1440 mg/m ³
	400 ppm

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Ethyl acetate (141-78-6)

Regulatory reference

Workplace exposure standards for airborne contaminants (2025)

8.2. Monitoring methods

Monitoring methods : Refer to all applicable national, international and local regulations or provisions.

8.3. Engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation. Handle in accordance with good industrial hygiene and safety procedures. Avoid all unnecessary exposure. Ensure exposure is below occupational exposure limits (where available). Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Wear recommended personal protective equipment.

Hand protection : Wear suitable gloves resistant to chemical penetration. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Selection of protective gloves should be made based on the type of task performed.

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing. Skin protection appropriate to the conditions of use should be provided

Respiratory protection : Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment

Environmental exposure controls : Avoid release to the environment. Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil.

SECTION 9: Physical and chemical properties

Physical state : Liquid

Appearance : Clear.

Colour : Colourless

Odour : Characteristic

Odour threshold : No data available

pH : No data available

pH solution : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point / Freezing point : No data available

Boiling point : > 35 °C

Flash point : < 23 °C

Auto-ignition temperature : No data available

Flammability : No data available

Vapour pressure : No data available

Relative density : No data available

Density : Density: 810.8 g/l
Relative density: 0.81

Solubility : Insoluble in water.

Partition coefficient n-octanol/water (Log Pow) : No data available

Explosive properties : No data available

Explosive limits : No data available

Minimum ignition energy : No data available

VOC content : 51 % (409 g/l)

Fat solubility : No data available

SECTION 10: Stability and reactivity

Reactivity : Highly flammable liquid and vapour. Can form explosive mixtures with air. Heating may cause a fire or explosion.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Hazardous polymerisation: Will not occur. Reacts vigorously with strong oxidizers and acids.

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Conditions to avoid	: None under recommended storage and handling conditions (see section 7). Protect from sunlight. Overheating. Extremely high or low temperatures. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: Oxidizing agent. Strong acids. Strong bases.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Methyl ethyl ketone (78-93-3)

LD50 oral rat	2054 mg/kg
LD50 dermal rat	> 10 ml/kg
LD50 dermal rabbit	5000 mg/kg
LC50 Inhalation - Rat [ppm]	11700 ppm/4h

Acetone (67-64-1)

LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	15688 mg/kg
LC50 Inhalation - Rat	44 g/m ³

Ethyl acetate (141-78-6)

LD50 oral rat	5620 mg/kg
LD50 dermal rabbit	> 20000 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

Methyl ethyl ketone (78-93-3)

STOT-single exposure	May cause drowsiness or dizziness.
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Acetone (67-64-1)

STOT-single exposure	May cause drowsiness or dizziness.
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Ethyl acetate (141-78-6)

STOT-single exposure	May cause drowsiness or dizziness.
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STOT-repeated exposure	: Not classified
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Ethyl acetate (141-78-6)

LOAEL (oral, rat, 90 days)	3600 mg/kg bodyweight EPA OTS 795.2600
NOAEL (oral, rat, 90 days)	900 mg/kg bodyweight EPA OTS 795.2600

Aspiration hazard	: Not classified
Other information	: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

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SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Methyl ethyl ketone (78-93-3)

LC50 - Fish [1]	3130 – 3320 mg/l (96 h; Pimephales promelas [flow-through])
EC50 - Crustacea [1]	520 mg/l (48 h; Daphnia magna)
EC50 - Crustacea [2]	5091 (48 h; Daphnia magna)
NOEC chronic algae	93 mg/l
Partition coefficient n-octanol/water (Log Pow)	0.29
LD50 dermal rabbit	5000 mg/kg
LD50 dermal rat	> 10 ml/kg
LD50 oral rat	2054 mg/kg

Acetone (67-64-1)

LC50 - Fish [1]	4144.846 mg/l (96 h, Oncorhynchus mykiss)
LC50 - Fish [2]	6210 – 8120 mg/l (96 h, Pimephales promelas, static)
EC50 - Crustacea [1]	1679.66 mg/l (48 h, Daphnia magna, static)
EC50 - Crustacea [2]	12600 – 12700 mg/l (48 h, Daphnia magna)
BCF - Fish [1]	0.69
Partition coefficient n-octanol/water (Log Pow)	-0.24
LD50 dermal rabbit	15688 mg/kg
LD50 oral rat	5800 mg/kg

Ethyl acetate (141-78-6)

LC50 - Fish [1]	220 – 250 mg/l (96 h, Pimephales promelas [flow-through])
LC50 - Fish [2]	484 mg/l (96 h, Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [1]	560 mg/l (48 h, Daphnia magna [static])
BCF - Fish [1]	30
Partition coefficient n-octanol/water (Log Pow)	0.6
LD50 dermal rabbit	> 20000 mg/kg
LD50 oral rat	5620 mg/kg

12.2. Persistence and degradability

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Persistence and degradability	Biodegradability in water: no data available.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No data available concerning bioaccumulation.
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Methyl ethyl ketone (78-93-3)	
Partition coefficient n-octanol/water (Log Pow)	0.29
Acetone (67-64-1)	
BCF - Fish [1]	0.69
Partition coefficient n-octanol/water (Log Pow)	-0.24
Ethyl acetate (141-78-6)	
BCF - Fish [1]	30
Partition coefficient n-octanol/water (Log Pow)	0.6

12.4. Mobility in soil

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Ecology - soil	Adsorbs into the soil.
Methyl ethyl ketone (78-93-3)	
Partition coefficient n-octanol/water (Log Pow)	0.29
Acetone (67-64-1)	
Partition coefficient n-octanol/water (Log Pow)	-0.24
Ethyl acetate (141-78-6)	
Partition coefficient n-octanol/water (Log Pow)	0.6

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No other effects known.

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Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not dispose of the packaging without first carrying out the necessary cleaning. Do not pierce or burn, even after use.
Additional information : Flammable vapours may accumulate in the container.
Ecological waste information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
14.1. UN number		
1993	1993	1993
14.2. UN Proper Shipping Name		
FLAMMABLE LIQUID, N.O.S. (Methyl ethyl ketone; Acetone)	FLAMMABLE LIQUID, N.O.S. (Methyl ethyl ketone; Acetone)	Flammable liquid, n.o.s. (Methyl ethyl ketone; Acetone)
Transport document description		
Not applicable	UN 1993 FLAMMABLE LIQUID, N.O.S. (Methyl ethyl ketone; Acetone), 3, II	UN 1993 Flammable liquid, n.o.s. (Methyl ethyl ketone; Acetone), 3, II

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ADG	IMDG	IATA
14.3. Transport hazard class(es)		
3	3	3
		
14.4. Packing group		
II - Substances presenting medium danger	II	II
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG) : 1993
Special provision (ADG) : 274
Limited quantities (ADG) : 1I
Excepted quantities (ADG) : E2
Packing instructions (ADG) : P001, IBC02
Portable tank and bulk container instructions (ADG) : T7
Portable tank and bulk container special provisions (ADG) : TP1, TP8, TP28

Transport by sea

UN-No. (IMDG) : 1993
Special provisions (IMDG) : 274
Limited quantities (IMDG) : 1 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP1, TP28, TP8
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage) : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG) : B

Air transport

UN-No. (IATA) : 1993
PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 353
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 364
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3
ERG code (IATA) : 3H

14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3YE

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : All the chemicals contained in this product are listed introductions Inventory) status

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Not applicable

Australian Pesticides and Veterinary Medicines Authority (APVMA)

Not applicable

Regulatory reference : Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International agreements

No additional information available

SECTION 16: Other information

Data sources : Supplier's safety documents.

Other information : SDS prepared by. H2 Compliance.

Classification

Flam. Liq. 2	H225
Eye Irrit. 2A	H319
STOT SE 3	H336

Full text of H-statements

Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.